

System Test Variation Descriptions - Release 2.1

TEST VAR ID: 040101

TEST VARIATION NAME:

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| <i>PURPOSE:</i> | Verify the capability to detect the /CMD and /MODE invalid formats, reject the directives, and send appropriate event message(s) to SYM. |
| <i>DESCRIPTION:</i> | Reference test case 0401. Exercise /MODE and /CMD directives with incorrect formats. For /CMD, this includes incorrect data part parameter, data mnemonic, cmd mnemonic, value, general global, or missing delimiter. For /MODE, this includes incorrect RATE,TRAN,RTRN,BDSP,CDHI,TDRS,TDRS. Observe all /CMDs and /MODE are rejected and related event messages are generated by CMD. Print the system event log and confirm all event are included. |
| <i>TEST_INPUTS:</i> | CMDs (/DDDEVWD1:/HMACFG) with incorrect formats. /MODE with incorrect configurations. |
| <i>PREREQUISITES:</i> | Successful completion of test case 0401. |
| <i>EXPECTED RESULTS:</i> | |

System Test Variation Descriptions - Release 2.1

TEST VAR ID: 040201

TEST VARIATION NAME:

PURPOSE: Verify the CMD is capable to detect the errors in critical command processing and the proper response is returned to the user.

DESCRIPTION: Reference test case 0402. Enter the critical commands with invalid formats. Observe the commands are rejected and event messages are generated by CMD. Print the system event log to confirm all expected messages are included.

TEST_INPUTS: Critical command directive with error coniditions.

PREREQUISITES: Successful completion of test case 0402.

EXPECTED RESULTS:

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TEST VAR ID: 040301

TEST VARIATION NAME:

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|---------------------------------|---|
| <i>PURPOSE:</i> | Verify the capability to detect the invalid SOI and bit manipulation functions in the /CMD directive, reject the directives, and send appropriate event messages to SYM. |
| <i>DESCRIPTION:</i> | Reference test case 0403. Enter command directive with invalid SOI or incorrect bit manipulation functions. Observe the command(s) are rejected and related event messages are generated by CMD. Print the system event log and confirm all expected events are included. |
| <i>TEST_INPUTS:</i> | CMDs with incorrect SOI or bit manipulation functions. |
| <i>PREREQUISITES:</i> | Successful completion of test case 0403. |
| <i>EXPECTED RESULTS:</i> | |

System Test Variation Descriptions - Release 2.1

TEST VAR ID: 210101

TEST VARIATION NAME:

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|---------------------------------|---|
| <i>PURPOSE:</i> | Verify the capability of CMD to detect the invalid CCL procedure directives, reject the procedures, and send the appropriate event messages to the SYM. |
| <i>DESCRIPTION:</i> | Reference test case 2101. Execute CCL procedures with incorrect <LOCAL VAR> or <GLOBAL VAR> in SET, incorrect name, <PARAM CNT>, or <LOCAL VAR> in PROC, incorrect <PROC NAME>, incorrect mode in STEP, incorrect <SECONDS>,<TIME>, or <TEXT> in WAIT. The procedure(s) will be rejected and error messages will be logged. Print the system event log and confirm all the event messages are included. |
| <i>TEST_INPUTS:</i> | CCL procedures with incorrect configurations. |
| <i>PREREQUISITES:</i> | Successful completion of test case 2101. |
| <i>EXPECTED RESULTS:</i> | |

System Test Variation Descriptions - Release 2.1

TEST VAR ID: 210201

TEST VARIATION NAME:

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| <i>PURPOSE:</i> | Verify the CMD is capable of detecting incorrect SAC input values for the commands and generating related event messages. |
| <i>DESCRIPTION:</i> | Reference test case 2102. Execute a CCL procedure with SAC feature. Input invalid SAC values (out-of-range or wrong format). Observe the command(s) are rejected and related event messages are generated by CMD. Print the system event log and compare it with expected results. |
| <i>TEST_INPUTS:</i> | Valid CCL procedures with SAC features. Invalid SAC input values. |
| <i>PREREQUISITES:</i> | Successful completion of test case 2102. |
| <i>EXPECTED RESULTS:</i> | |

System Test Variation Descriptions - Release 2.1

TEST VAR ID: 210301

TEST VARIATION NAME:

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|---------------------------------|---|
| <i>PURPOSE:</i> | Verify the capability of CMD to detect the incorrect device name in SWITCH and /MODE directives, reject them, and send appropriate event messages to the SYM. |
| <i>DESCRIPTION:</i> | Reference test case 2103. Execute CCL procedure with incorrect device names in SWITCH and /MODE directives. The directives are rejected and error event messages are logged. Print the system event log and confirm all expected events are included. |
| <i>TEST_INPUTS:</i> | CCL procedure with invalid SWITCH and /MODE directives (incorrect device name). |
| <i>PREREQUISITES:</i> | Successful completion of test case 2103. |
| <i>EXPECTED RESULTS:</i> | |

System Test Variation Descriptions - Release 2.1

TEST VAR ID: 210501

TEST VARIATION NAME:

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| <i>PURPOSE:</i> | Verify the capability of CMD to detect the invalid local variable format, fail to perform local variable arithmetic, and send appropriate event message(s) to SYM. |
| <i>DESCRIPTION:</i> | Reference test case 2105. Execute CCL procedure with invalid format of local variables. The local variable arithmetic produces unpredictable results and the CMD generates error event message(s). Print the system event log and confirm all the event messages are included. |
| <i>TEST_INPUTS:</i> | CCL procedure with invalid local variable format. |
| <i>PREREQUISITES:</i> | Successful completion of test case 2105. |
| <i>EXPECTED RESULTS:</i> | |